

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard Hamilton Bend

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	04/27/2015 04/27/2015	Michael Pitta

LM Start		Rating **	A	Issue No.	7		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_ST0005_01_s _ 2013_7						
Action/Comments							
Inspector Comments: The O&M manuals are located at the Sutter Maintenance Yard.							

No Photos

LM Start		Rating **	A	Issue No.	8		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				°		°
					°		°
DWR ID	DWR_ST0005_01_s _ 2013_8						
Action/Comments							
Inspector Comments: Emergency supplies and equipment are stored at the Sutter Maintenance Yard.							

No Photos

LM Start		Rating **	A	Issue No.	9		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_ST0005_01_s _ 2013_9						
Action/Comments							
Inspector Comments: Sutter Maintenance Yard employees attend the annual Flood Fight class put on by DWR inspector Bob Duffy.							

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Feather River Hamilton Bend	Right	3.39	04/27/2015 04/27/2015	Michael Pitta

LM Start	0.01	Rating **	A	Issue No.	14
LM End	1.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.439882 °	39.456794 °
				-121.641429 °	-121.639288 °
DWR ID	DWR_ST0005_01_s _ 2015_14				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.01	Rating **	A/W	Issue No.	13
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.439884 °	39.456794 °
				-121.641430 °	-121.639288 °
DWR ID	DWR_ST0005_01_s _ 2015_13				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_ST0005_289_13_20150429_00013.jpg



View of the vegetation on the landside of the levee facing upstream.

LM Start	0.19	Rating **	M	Issue No.	15
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.442435 °	39.442435 °
				-121.641760 °	-121.641760 °
DWR ID	DWR_ST0005_01_s _ 2015_15				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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LM Start	0.32	Rating **	A/W	Issue No.	16
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.444301 °	39.444301 °
				-121.641765 °	-121.641765 °
DWR ID	DWR_ST0005_01_s _ 2015_16				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.37	Rating **	M	Issue No.	12
LM End	0.37	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.445008 °	39.445008 °
				-121.641811 °	-121.641812 °
DWR ID	DWR_ST0005_01_s _ 2014_12				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

Photo 1 of 1 : SP_2015_ST0005_289_12_20150401_00004.jpg



This photo was taken from the levee crown facing north looking at crown surface depressions caused by vehicle traffic. Spring 2014.

LM Start	0.40	Rating **	M	Issue No.	2
LM End	0.40	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.445420 °	39.445430 °
				-121.641809 °	-121.641802 °
DWR ID	DWR_ST0005_01_s _ 2015_2				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

Photo 1 of 1 : SP_2015_ST0005_289_2_20150401_00001.jpg



Deep rut in crown. Repair prior to flood season.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Feather River Hamilton Bend	Right	3.39	04/27/2015 04/27/2015	Michael Pitta

LM Start	0.45	Rating **	M	Issue No.	17
LM End	0.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.446168 °	39.446168 °
				-121.641742 °	-121.641742 °
DWR ID	DWR_ST0005_01_s _ 2015_17				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	1.08	Rating **	U	Issue No.	18
LM End	1.08	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.454935 °	39.454935 °
				-121.640097 °	-121.640097 °
DWR ID	DWR_ST0005_01_s _ 2015_18				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

Photo 1 of 2 : SP_2015_ST0005_289_18_20150429_00011.jpg



View of the depression on the crown facing downstream.

LM Start	1.08	Rating **	U	Issue No.	18 (cont)
LM End	1.08	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP_2015_ST0005_289_18_20150429_00012.jpg



View of the depression on the crown facing the waterside of the levee.

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Unit No. 01 Feather River Hamilton Bend	Right	3.39	04/27/2015 04/27/2015	Michael Pitta

LM Start	1.39	Rating **	M	Issue No.	22
LM End	1.70	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.457986 °	39.459597 °
				-121.638016 °	-121.633550 °
DWR ID	DWR_ST0005_01_s _ 2015_22				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.39	Rating **	M	Issue No.	21
LM End	3.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.457986 °	39.471125 °
				-121.638016 °	-121.609223 °
DWR ID	DWR_ST0005_01_s _ 2015_21				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.39	Rating **	M	Issue No.	20
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.457986 °	39.471125 °
				-121.638015 °	-121.609223 °
DWR ID	DWR_ST0005_01_s _ 2015_20				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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LM Start	1.48	Rating **	M	Issue No.	4
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.458060 °	39.470433 °
				-121.636332 °	-121.609200 °
DWR ID	DWR_ST0005_01_s_2013_4				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_ST0005_289_4_20150401_00002.jpg



L/S trees.

LM Start	1.51	Rating **	M	Issue No.	5
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.458255 °	39.459451 °
				-121.635808 °	-121.633670 °
DWR ID	DWR_ST0005_01_s _ 2013_5				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

Photo 1 of 1 : SP_2015_ST0005_289_5_20150401_00003.jpg



W/S trees.

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